

## CLAIMS

1. An oil-in-water emulsion cosmetic composition,  
wherein the oil-in-water emulsion cosmetic composition comprises:  
a component A: a polyglycerin fatty acid ester having a hydroxyl value of  
5 450 to 700, a fatty acid residue having 16 to 18 carbon atoms accounting for 50 to  
100% by mass of all constituent fatty acid residues, the total content of a dimer and a  
trimer of a cyclic polyglycerin being from 0 to 3% by mass, the total content of an  
undecamer of polyglycerin being from 10 to 30% by mass, and the each content of a  
tetramer to a decamer of polyglycerin being from 4 to 20% by mass, based on 100% by  
10 mass of polyglycerin constituting the polyglycerin fatty acid ester,  
a component B: an oily component, and  
a component C: water, and  
the amount of the component A is from 0.001 to 25% by mass, the amount of  
the component B is from 0.001 to 60% by mass, and the amount of the component C is  
15 from 10 to 99% by mass.
2. The oil-in-water emulsion cosmetic composition according to claim 1,  
wherein the amount of the component A is from 0.01 to 15% by mass, the amount of  
the component B is from 0.01 to 50% by mass, and the amount of the component C is  
20 from 30 to 95% by mass.
3. The oil-in-water emulsion cosmetic composition according to claim 1,  
wherein a hydroxyl value of the polyglycerin fatty acid ester as the component A is  
from 550 to 700, at least one of a polyhydric alcohol fatty acid ester having a hydroxyl  
25 value of 100 to 500 (excluding the component A) and a polyhydric alcohol alkyl ether  
having a hydroxyl value of 100 to 500 is added as a component D, and the amount of

the component D is from 1 to 100% by mass based on the amount of the component A.

4. The oil-in-water emulsion cosmetic composition according to claim 3,  
wherein the amount of the component A is from 0.01 to 15% by mass, the amount of  
5 the component B is from 0.01 to 50% by mass, the amount of the component C is from  
30 to 95% by mass, and the amount of the component D is from 1 to 100% by mass  
based on the amount of the component A.

5. The oil-in-water emulsion cosmetic composition according to claim 1,  
10 wherein the fatty acid residue having 16 to 18 carbon atoms as the component A is at  
least one selected from isostearic acid residue, oleic acid residue, palmitic acid residue  
and stearic acid residue.

6. The oil-in-water emulsion cosmetic composition according to claim 1, further  
15 comprising a thickener.

7. The oil-in-water emulsion cosmetic composition according to claim 1,  
wherein the oil-in-water emulsion cosmetic composition is at least one selected from  
cream in general, milky lotion, sun tan cream, sun-block cream, shaving cream,  
20 cleansing cream, facial cleansing cream, lotion in general, sun tan lotion, sun-block  
lotion, shaving lotion, serum, lipstick, gel, cleansing gel, moisture gel, pack, emulsion  
foundation, emulsified eye shadow, nail treatment, shampoo, conditioner and hair  
treatment.

25 8. A method for producing the oil-in-water emulsion cosmetic composition  
according to claim 1, wherein the method comprises the step of adding an oil phase

containing the component A and the component B to an aqueous phase containing a component C, and emulsifying them.

9. The method for producing the oil-in-water emulsion cosmetic composition  
5 according to claim 8, wherein the emulsification temperature is from 10 to 90°C.

10. A method for producing the oil-in-water emulsion cosmetic composition  
according to claim 3, wherein the method comprises the step of adding an oil phase  
containing the component A, the component B and the component D to an aqueous  
10 phase containing the component C and emulsifying them.

11. The method for producing the oil-in-water emulsion cosmetic composition  
according to claim 10, wherein the emulsification temperature is from 10 to 90°C.